COMMERCIAL CONSTRUCTION EQUIPMENT/ MATERIAL HANDLING EQUIPMENT (CCE/MHE) LETTER OF REQUEST (LOR) CHECKLISTS

INDEX

General Questionnaire Bituminous Distributor Equipment Compaction Equipment **Bituminous Plants** Cranes **Crawler Loaders Crawler Tractors** Paving Machine, Bituminous Material Forklift Trucks Rock Crushing Equipment Road Graders Scraper Equipment Water Distributor Equipment Wheeled Loader Contractor-Furnished Concurrent Spare Parts, Tools or TMDE Contractor-Furnished Publications Contractor-Furnished Training

One copy of the "General Questionnaire" and one copy of the specific vehicle performance checklist are to be completed by the customer, and should be included with the customer's request. If the checklist and questionnaire are not included, the case cannot be developed, pending receipt of the required information/checklists.





GENERAL QUESTIONNAIRE

1.	Name of Country, and Date of Submission
2.	In-Country/SAO POC for any clarification needed [Phone# and e-mail]:
3.	What are the ambient temperatures to be encountered?
	Minimum° Maximum° Specify Fahrenheit, Centigrade or Celsius
	Are Winterization Kits required?yesno
4.	Are there any transportability limitations? (i.e. rail, water, air or highway) yes no If yes, specify below:
5. co	Are Concurrent Spare Parts (CSP) or Contractor furnished tools required?yesno
рι	One each commercial operator's manuals are normally overpacked with each vehicle. Are there any other unique ublication requirements? Yes No. If so, please complete the Contractor Publications Checklist near the nd of this package.
7.	Lighting requirement:
	Night time operation Blackout Lighting
	Other (specify)
8.	Paint requirement:
	Manufacturers' Standard Commercial CARC (Chemical Agent Resistant Coating)? Special requirement, if so, specify (to include paint color/chip number
	Is training required?yesno. If yes, please complete the Contractor Furnished Training Checklist near the of this package.
10). Is in-country contractor support required during initial operation/ installation?yesno
	If yes, specify duration of support and attach scope of work:
11	Are there any special, unique requirements?yes no. If yes, state requirements
	should be noted that an additional cost will normally be incurred for any special or unique requirement requiring eviation or additions to the standard commercial model.)
	2. Is Sole Source procurement desired by the customer?YesNo If so, please provide name of contractor and forward justification document to USASAC prior to LOA submission.
	 Point of contact at TACOM if you have any questions: Barackman, DSN 786-5903, COM [586] 574-5903 barackm@tacom.army.mil

BITUMINOUS DISTRIBUTOR EQUIPMENT

1. Quantity desired	
2. Asphalt Distribution Rate	
a. 0.1 thru 1.5 gallons per square yard b	. Other, Specify:
3. Tanker Size and Mounting	
a. Truck Mounted:	
(1) Min 1,000 gallon (2) Min 2,000 gallon	
(3) Min 3,000 gallon	
b. Cart Trailer Mounted:	
(1) Min 400 gallon	(3) Min 800 gallon
(2) Min 600 gallon	(4) Min 1,000 gallon
Trailer intended to be towed by:	
c. Lights No Lights	
4. Spray Bar:	
a. Folding Spray Bar Width:	
(1) 4 ft wide (2) 8 ft wide	_ (3) 16 ft wide
b. Spray Bar Type:	
(1) Circulating type (each nozzle has cutoff plate)
(2) Non-circulating type (one cutoff valve for bar)	
c. Do you need hand spray attachment? yes	_ no
5. Pump Driven by:	
a. Truck PTO (Power take-off) b. Se	eparate engine
(1) Gasoline (2) Diesel	
6. Tanker Heated by:	
a. Liquefied Petroleum Gas b. Propane	Gas c. Fuel Oil
7. Are there any special uses or unique requirements'	? yesno If yes, state requirements

BITUMINOUS PLANTS

1. Quantity desired
2. Basic Plant Type: a. Drum Mix b. Batch Type
Plant Mobility: a. Stationary b. Self Contained Trailer
4. Plant Rated Capacity:
a. 50 to 100 TPH (tons per hour) b. 100 to 200 TPH
c. Over 200 TPH (specify capacity)
5. Cold Aggregate Feed System:
a. Bulkhead b. Bins
(1) 2 Compartment (2) 3 Compartment (3) 4 Compartment
6. Exhaust Stack Emission Control
a. Dry Type b. Wet Type
7. Electric Powered Plant
a. Engine Generator Set Should generator set be furnished? (yes or no)
b. Commercial Utility Should power line kit be furnished? (yes or no)
Electrical Power Availability:
(1) Voltage/Cycle (specify) (2) Phase (specify) (3) Amperes (specify)
8. Plant support Accessories
a. Fuel Supply Tank Trailer Mounted
b. Bituminous Supply Tank Trailer Mounted
c. Bituminous Heating System
(1) Hot Oil System Trailer Mounted
(2) Electrical System
d. Combination Fuel, Bituminous Supply Tank Trailer Mounted
e. Mix Surge Bin System (Silo)
(1) Insulated Non-insulated
(2) Heated Non-heated
f. Master Control Trailer (If required, specify size)
(1) Air conditioned (yes or no) (2) Office space (yes or no)
9. Are there any special uses or unusual requirements? yes no

If yes, state requirements	• •

COMPACTION EQUIPMENT

1. Quantity desired
2. Intended Use:
Main Use: Asphalt: Soils:
3. Type: Pneumatic Tandem Vibratory High Speed
a. Frame: Rigid Articulated
b. Power: Self-Propelled Towed
c. Fuel: Gasoline Diesel
d. Tires: Smooth Traction
e. Drum: Smooth Pad Foot (Sheepsfoot)
f. Weight: (Specify weight or size required)
4. Wetting System (yes or no):
5. Transmission: Manual Power Shift
6. Tire Pressure Regulation System: (yes or no, for models with tires).
7. Dozer Blade:
8. Steering and Wheel Oscillation (yes or no):
9. Are there any special uses or unusual requirements? yes no.
If yes, state requirements:

CRANES

1.	Quantity desired
2.	Intended Use:
3.	Type Desired:
	Truck Mounted Lattice Boom (mechanical)
	Hydraulic Rough Terrain (Hydraulic Only)
	Crawler (Lattice boom only)
	Attachments Required:
	Jib Tag Line Clam Shell Drag Line*
	Pile-driver Shovel Front Backhoe*
	*Not available for hydraulic cranes.
4.	Lift Capacities with Outriggers (not applicable to crawler mounted cranes)
	Maximum Load: lbs at ft radius
	Maximum Reach: ft radius with lbs load at ft height
5.	Lift Capacities without Outriggers (crawler mounted cranes)
	Maximum Load:lbs atft radium
	Maximum Reach: ft radius with lbs load at ft height
6.	Maximum Boom Lengths Required:
	feet with boom feet with jib
7.	Are lift and carry operations required? yes no. If yes, maximum load: lbs.
8.	Primary Use: On Road Off-Road
9.	Maximum Highway Speed Required (Truck Mounted Only):
	miles per hour kilometers per hour
	(Rough terrain cranes have a maximum speed of approximately 20 mph. Not applicable for crawler cranes.)
10). Are there any special uses or unusual requirements? yes no.
	If yes, state requirements:

CRAWLER LOADERS

1. Quantity desired
2. Intended Use: Excavating/Scraping Handling Loose Materiel
Other (specify)
3. Bucket:
a. Bucket Size: cubic yards
b. Bucket Type:
General Purpose w/teeth w/o teeth
Multi-purpose w/teeth w/o teeth
4. Track Type: a. Street Type b. Traction Type
5. Attachments:
a. Backhoe: size cubic yards
b. Ripper: number of shanks
6. Is Rollover Protective Structure (ROPS) required (yes or no)?
7. Type of structure (must be completed with or without ROPS):
Canopy Type Cab Type
(1) Winterized
(2) Non-Winterized
(3) Air Conditioned
 Are there any special use, unique or unusual requirements?(yes or no). If yes, state requirements:

CRAWLER TRACTORS

1. Quantity desired
2. Intended Use:
a. Main Use (specify): Dozing Ripping Other (specify)
b. Main Soil Type (specify): Clay Sand Swampy Other (specify)
3. Size Required:
a. Operating Weight: lbs b. Horsepower: (Reference only)
4. Transmission Type: a. Power shift b. Manual
5. Front Attachments:
Blade Type: Straight Angle "U"
6. Rear Attachments:
a. Winch Ripper number of shanks
b. Drawbar (Not available w/Ripper)
7. Is Belly Pan Guard required? (yes or no)
8. Is Rollover Protective Structure (ROPS) required (yes or no)?
9. Type of Structure (must be completed with or without ROPS):
Canopy Type Cab Type
(1) Winterized (2) Non-Winterized (3) Air Conditioned
10. Are there any special, unique or unusual requirements?(yes or no)
If yes, state requirements:

FORKLIFT TRUCKS

1. Quantity desired
2. Describe the intended use/main functions you intend to perform with this forklift.
3. Where do you intend to operate this forklift? (Examples - (1) Inside warehouses all of the time, (2) In ports and in ship holds or (3) In frozen food lockers.)
4. Describe the surfaces this forklift must operate on. (Examples - (1) Prepared surfaces paved with concrete or (2) Sandy unprepared surfaces or (3) Rough terrain environment.)
5. Provide the following dimensions (as applicable) for the facilities in which the forklift will operate: a. Doorways: Height Width
b. Operating Aisle: Width Length Clear (unobstructed) Height
c. Other/Describe: Height Width Length
Description of Other:
6. Describe the materials or load which the forklift will stack, un-stack and transport:
a. Maximum Weight of Load: Pounds or kg.
b. Type of Material(s):
c. Dimensions of Load: LengthIn/MM WidthIn/MM HeightIn/MM
d. Are the loads carried on:
(1) Pallets yes no (2) Slip Sheets yes no
(3) Single Container yes no . If yes, describe load carrier (i.e. dimensions)
(4) Other yes no If yes describe:
7. Which of the following modes of transportation will be loaded or unloaded by this forklift:
a. Trucks yes no
b. Railroad Box Cars yes no. If yes, provide:
Door Opening Height Width
Allowable floor loading of Railroad Box Car
c. Container, Inter-modal yes no
d. Aircraft yes no If yes, what aircraft:

e. Ships yes no
8. Describe any potential hazards which may be known such as handling explosive material, working in an explosive atmosphere or in a small enclosed, unventilated area.
9. Do you intend to move the forklift from one site to another? yes no _ If yes, describe how:
10. Which is the preferred power source for your forklift?
Diesel Engine Gasoline Engine Electric Motor
11. What type of tires are desired?
a. Pneumatic b. Solid Rubber c. Rough Terrain
12. Are there any special uses or unusual requirements? yes no If yes, state requirements:

PAVING MACHINE, BITUMINOUS MATERIAL

1. Quantity desired
2. Type:Pneumatic TireCrawler
3. Paving Widths Required: Maxft. Minft.
4. Screed Control Desired:AutomaticManual
5. Paving Speed Required:MaxMin
7. Auger Conveyor System:
Automatic Manual Automatic with Manual Override
8. Slope Control:
Automatic Manual Automatic with Manual Override
9. Grade Control
Automatic Manual Automatic with Manual Override
10. Screed Heaters: Electrical Propane Gas Fuel Oil
11. Operator Control:
Single Mount [Left Side] Single Mount [Right Side]
Dual Mount Transferable
12. Engine: Gasoline Diesel
13. Transmission: Hydrostatic Mechanical
14. Mobility Type: Self-Propelled Towed
15. Are there any special use or unusual requirements?(yes or no)
If yes, state requirements:

ROAD GRADERS

1.	Quantity desired
2.	Intended Use:
3.	Frame: Rigid Articulated
4.	Weight: 10,000 to 16,500 lbs 16,501 to 22,500 lbs 22,501 to 25,000 lbs 25,001 to 27,000 lbs 27,001 to 29,500 lbs 29,501 to 34,000 lbs 34,001 + (specify size)
5.	Transmission: ManualPower-shift
6.	Wheels Driving: Six Four
7.	Wheels Steering: Front Front and Rear
8.	Moldboard Length:12 ft13 ft14 ft
9.	Attachments:Scarifier
10	. Is Rollover Protective Structure (ROPS) required?(yes or no)
11	. Type of structure required (must be completed with or without ROPS):
	Canopy Type Cab Type
	(1) Winterized (2) Non-winterized (3) Air Conditioned
12	. Are there any special uses or unusual requirements?yesno
	If yes, state requirements:

ROCK CRUSHING EQUIPMENT

1. Quantity desired
Rock crushing equipment is ordered by capacity involving:
2. Input: Type of rock source.
a. Rock wall face from a quarry - solid rock
Soft Hard Brittle Dirty
b. Boulder rocks from a river - broken up rock
Max diameter input rock18-in15-in12-in
3. Output: Type of rock/sand products - output of crushing plant
a. Crushed rock 6-in 4-in1-1/2 in
b. Other: Washed aggregates yes no
Sand yes no
4. Plant type: Stationary on concrete footing
Mobile on wheeled trailers
5. Basic Plant: Ton Per Hour (TPH) output of crushed rock
a. Small: Min 15 TPH (jaw unit only)
b. Medium: Min 35 TPH Min 80 TPH Min 100 TPH
c. <u>Large</u> : Min 150 TPH Min 225 TPH Min 500 TPH
NOTE: Consist of primary jaw type crusher plant and other secondary type crusher plant(s) employing rolls or cones.
*6. Accessories: (check desired items)
Conveyors min three ea - to move material away from plant
Hopper storage bins - to hold and store material
Washing and screening plant units - to clean crushed rock
Hydraulic crane w/rock breaker and oversize rock extractor*
Other (specify)
*7. Other Equipment: (check desired items)
Rock drill with air compressor and explosives to blast rock
Quarry type dump truck fleet - feed material in
On-off road dump truck fleet - take material out
Scoon loaders shovels to load rock and sand

Other (specify)
* These items should be ordered separately.
8. Power:
a. Diesel engine drive w/electric generator driven accessoriesyes no
Should the generator be: skid mounted truck mounted
b. All electric driven plant (yes or no)
c. Commercial utility engine-generator sets
If commercial utility, is power line kit required? Yes No
d. System electrical characteristics (specify)
Voltage/cycles Phase Amperes
9. Are there any special uses or unusual requirements? yesno
If yes, state requirements:

SCRAPER EQUIPMENT

1.	Quantity desired
2.	Intended Use: a. Main Use:
	Self-load earth, haul over haul roads, and spread earth on a fill on the run.
	With the help of another tractor, be loaded with earth, haul over roads, and spread earth on a fill on the run.
	b. Material:
	Earth, dirt, sand, etcRocky materialsMud, sand, poor flotation ground.
	c. Operation:
	Single, Self-load Scraper (w/Hydraulic Elevator Assembly).
	Single, Standard Scraper.
	Single, Standard Tandem Powered Scraper (w/front and rear double engine-drive train packages).
	2 ea, Push-Pull, Multiple-Unit Scraper Train.
3.	Type, based on struck (water-level) capacity at scraper bowl:
	Min. 4 yd³ (cubic yards)Min. 10 yd³ (cubic yards)
	Min. 14 yd³ (cubic yards)Min. 21 yd³ (cubic yards)
4.	Accessories:
	a Large Flotation Tires b Belly Pan Guards
5.	Are there any special use, unique or unusual requirements?(yes or no)
	If yes, state requirements:

FOREIGN MILITARY SALES PERFORMANCE CHECKLIST WATER DISTRIBUTOR EQUIPMENT

1.	Qι	uantity desired		
2.	Int	tended Use:		
	_			
	a.	Road dust control: s	prayer flushe	r
	b.	Compaction of soils:	sprayer flu	ısher
	C.	Flusher (flusher nozzles only	y)	
	d.	Other (specify operation):		
3.	Та	anker Size and Mounting:		
	a.	Truck Mounted Tanker		
	((1) Min. 1,500 gallon		(4) Min. 4,500 gallon
	((2) Min. 2,000 gallon		(5) Other (specify size)
	((3) Min. 4,000 gallon		
	b.	Semi-trailer Mounted Tanke	er:	
	((1) Min. 4,000 gallon	_ (2) Min. 6,000 gall	on(3) Other (specify size)
	5	Semitrailer intended to be to	wed by:	
	C.	Earthmover Tractor-Tanker:	:	
	((1) Min. 4,000 gallon		(4) Min. 12,000 gallon
	((2) Min. 6,000 gallon		(5) Min. 16,000 gallon
	((3) Min. 10,000 gallon		(6) Other (specify size)
4.	Di	istribute Water by:		
	a.	Precise application by folding	ng rear spray bar up to	o a 24 foot spray width. Need:
	((1) 8 foot wide swath	_(2) 16 foot wide swa	ath (3) 24 foot wide swath
	b.	Scattered application by due	ck-bill nozzles on side	and rear up to 70 foot flushing width.
	((1) Rear nozzles, adj. 15 to	30 ft swath (2	2) Side nozzles, adj. 15 to 30 ft swath
5.	Pu	ump discharge rate required	(Specify gall	lon/minute)
3.	ls a	a self loading pump and tan	k desired? yes	no
7.	Pu	ump Powered by:		
	a.	Vehicle's drive engine and F	PTO (Power Take-Off	(Applies to 2a only)
	b.	Separate engine		

(1) Same fuel as vehicle (specify vehicle fuel)(2) Other engine fuel, specify			
8. Are there any special use or unusual requirements? yesno			
If ves. state requirements			

WHEELED LOADER

1. Quantity desired
Intended Use:ExcavatingHandling Loose Material
Other (specify)
3. Bucket:
a. Bucket Size: cu. yds.
b. Bucket Type:
General Purpose w/teeth w/o teeth
Multi-purpose w/teeth w/o teeth
4. Tire Type: Traction Rock Lug
5. Options:
a. Traction Type Differentialyesno
b. Backhoe: size cubic yards
6. Is Rollover Protective Structure (ROPS) required?yesno
7. Type of structure required (must be completed with or without ROPS):
Canopy Type Cab Type
(1) Winterized (2) Non-winterized (3) Air Conditioned
8. Are there any special or unusual requirements? yes no
If yes, state requirements:

CONTRACTOR-FURNISHED TRAINING CHECKLIST

FI	MS CASE END ITEM EST DEL DT
1.	TYPE(S) OF TRAINING REQUIRED:
а	. OPERATOR NO. OF STUDENTS (detailed questions in 8 below)
b	. MAINTENANCE NO. OF STUDENTS (detailed questions in 9 below)
C.	OTHER (describe below in para 10) NO. OF STUDENTS
2.	CONUS OR IN-COUNTRY? If in country, specific location where training is to be conducted:
re	Is customer supplying the facility and/or equipment (i.e., vehicles) for the training, or is the contractor required to nt a facility, bring equipment?
3.	CONSTRAINTS? (DURATION, COST, DATES, HOLIDAYS)
4.	PRIMARY LANGUAGE OF STUDENTS:
5.	ARE STUDENTS CONVERSANT IN ENGLISH (Can class be taught in English?)
in	If students cannot be taught in English, will customer provide interpreter(s), or will contractor be required to hire structors/interpreters who can communicate in that language?
6.	TYPICAL "WORK DAY/WORK WEEK" IN HOST COUNTRY:
	CUSTOMER INSPECTION-COORDINATOR/COTR (Name, telephone number, facsimile umber)
	OPERATOR TRAINING: (from question 1a) rudents' level of experience operating the equipment he is being trained to operate:
	No experience
	Some (months) of experience with this general type of equipment.
	Years () of experience with this general type of equipment.
	Months/years of experience with the specific type of equipment being acquired.

9. MAINTENANCE TRAINING: (from question 1b)a. Students' level of experience maintaining the equipment he is being trained to maintain:
Operator level: Check oil, fuel, tires
Garage level: Change the oil, repair a tire, change the belts, bulbs, etc.
Repair Facility: Overhauling engines etc.
Other relevant experience:
b. State the level of proficiency which you require the students to be at the end of the course:
Operator level: Operate the item, Check oil, fuel , tires
Garage level: Change the oil, repair a tire, change the belts, bulbs, etc.
Repair Facility: Overhauling engines etc.
Other
10. OTHER TRAINING: (from question 1c) a. Describe the type of training desired:
b. Describe the current level of expertise of students to be trained:
c. Describe the level of proficiency you require the students to be at the end of the training?

C	ONTRACTOR-FURNISHED MATERIEL (to support Commercial End Item)
F۱	MS CASE END ITEM QTY EST DEL DT
1.	CONCURRENT SPARE PARTS:
	Number of years CSP desired: 1 year 2 years 3 years none
	Comments:
2.	TOOLS
	How many Organizational, Direct Support and General Support maintenance facilities will be supporting your Equipment? ORG DS GS
	Does customer wish to purchase tools to support this end item? Yes No
	If yes, what types of tools? Common Operator's Maintenance
	Special Other (list)
	The General Mechanic's Tool Kit basically includes standard/common tools such as wrenches, sockets, Screwdrivers, pliers etc. which you would find in your garage. How many of this tool kit do you need? Qty
	Would customer like to review a list of tools (incl costs) prior to contract award? Yes No
3.	TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT:
	Does customer wish to purchase TMDE? If Yes, identify equipment and quantities:
	Yes No
	Does customer desire a listing of available TMDE (incl costs) to support this end item? YesNo

COMMERCIAL PUBLICATIONS (in support of Commercial End Items)

· · · · · · · · · · · · · · · · · · ·	FMS CASE	END ITEM	QTY	EST DE	EL DT	
If YES, identify types of publications desired, and quantities: Operator'scopiesMaintenancecopiesParts ListscopiesService ManualscopiesOther (list description and quantities below): Language: All manuals are typically supplied in the English language. Does the customer wish to have manuals in another language, if readily available? If so, what language(s)? Comments: Does customer require a set of manuals prior to vehicle delivery, for review of parts/tools listings?	One set	of commercial Operator's manu	uals are typically prov	vided with ea	ach end item.	
Operator'scopiesMaintenancecopiesParts ListscopiesService ManualscopiesOther (list description and quantities below):	Does cus	stomer wish to purchase additio	nal publications?	Yes	_ No	
Does customer wish to purchase additional publications? Yes No If YES, identify types of publications desired, and quantities: Operator's copies Maintenance copies Parts Lists copies Service Manuals copies Other (list description and quantities below): Language: All manuals are typically supplied in the English language. Does the customer wish to have manuals in another language, if readily available? If so, what language(s)? Comments:						
Parts Lists copies Service Manuals copies Other (list description and quantities below): Language: All manuals are typically supplied in the English language. Does the customer wish to have manuals in another language, if readily available? If so, what language(s)? Comments: Does customer require a set of manuals prior to vehicle delivery, for review of parts/tools listings?	_	Operator's copie	es			
Service Manuals copies Other (list description and quantities below): Language: All manuals are typically supplied in the English language. Does the customer wish to have manuals in another language, if readily available? If so, what language(s)? Comments:	_	Maintenance copi	es			
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Does customer require a set of manuals prior to vehicle delivery, for review of parts/tools listings?						
	Does cu					